

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/540,506
				Filing Date	05/12/2006
				First Named Inventor	Baksh, Mohamed et al.
				Art Unit	1797
				Examiner Name	Lawrence, Jr, Frank M.
Sheet	1	of	3	Attorney Docket Number	21203-X

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,430,418	3/4/1969	Wagner	
		US-3,564,816	2/23/71	Batta	
		US-4,077,779	3/7/1978	Sircar et al.	
		US-4,176,090	11/27/1979	Vaughan et al.	
		US-4,553,981	11/19/1985	Fuderer	
		US-4,859,217	8/22/1989	Chao	
		US-4,957,514	9/18/1990	Golden et al.	
		US-5,152,975	10/6/1992	Fong et al.	
		US-5,174,979	12/29/1992	Chao et al.	
		US-5,413,625	5/9/1995	Chao et al.	
		US-5,454,857	10/3/1995	Chao	
		US-5,538,706	7/23/1996	Kapoor et al.	
		US-5,674,311	10/7/1997	Notaro et al.	
		US-5,698,013	12/16/1997	Chao	
		US-5,856,264	1/5/1999	Cohen et al.	
		US-5,912,422	6/15/1999	Bomard et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A	WO 2004/058630	07/15/2004	Praxair Technology Inc.		
	B	EP 1 097 746 `A2	5/9/2001	EPO		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/540,506
				Filing Date	05/12/2006
				First Named Inventor	Baksh, Mohamed et al.
				Art Unit	1797
				Examiner Name	Lawrence, Jr, Frank M.
Sheet	2	of	3	Attorney Docket Number	21203-X

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,007,606	12/28/1999	Baksh et al.	
		US-6,027,548	2/22/2000	Ackley et al.	
		US-6,027,549	2/22/2000	Golden et al.	
		US-6,152,991	11/28/2000	Ackley	
		US-6,197,092	3/6/2001	Butwell et al.	
		US-6,302,943	10/16/2001	Johnson et al.	
		US-6,340,382	1/22/2002	Baksh et al.	
		US-6,402,813	6/11/2002	Monereau et al.	
		US-6,514,317	2/4/2003	Hirano et al.	
		US-2002/0183201	12/5/2002	Barnwell et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/540,506
				Filing Date	05/12/2006
				First Named Inventor	Baksh, Mohamed et al.
				Art Unit	1797
				Examiner Name	Lawrence, Jr, Frank M.
Sheet	3	of	3	Attorney Docket Number	21203-X

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	C	Khelifa et al., "Sorption of Carbon Dioxide by Zeolite X Exchanged with Zn ²⁺ and Cu ²⁺ ", Microporous and Mesoporous Materials, Vol. 32, pg. 199-209, 1999.		
	D	Iyuke et al., "Application of Sn-Activated Carbon in Pressure Swing Adsorption for Purification of H ² ", Chemical Engineering Science, Vol. 55, pg. 4745-4755, 2000.		
	E	Yang, "Gas Separation by Adsorption Processes", pg.51-52, 1987.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.